

G-Factors		
Parameter	Score	Average score
Dihedral angles:-		
Phi-psi distribution	-0.31	
Chi1-Chi2 distribution	0	
Chi1 only	0	
Chi3 & Chi4	0	
Omega	-1.11	
		-0.71
Main-chain covalent forces:-		
Main-chain bond lengths	0.62	
Main-chain bond angles	-1.87	
		-0.76
Overall Average		-0.67

Table S1: COX1 model protein procheck statistics